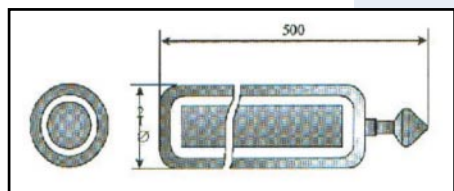
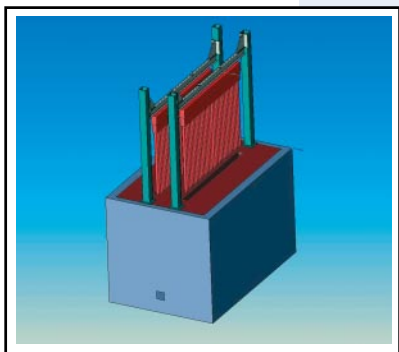
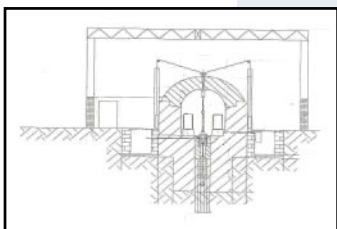


Application of Europium for Gamma Irradiation in Ukraine & Russia



- Project will test and develop a new gamma energy source (Europium) for commercial sterilization and microbial reduction applications
- New and improved gamma sources are needed to meet the demand for sanitizing medical products and improving food safety in world markets
- Europium (Eu-152 & Eu-154), used as nuclear reactor control rods in icebreakers, offers advantages for irradiation:
 - Longer half life than Cobalt-60
 - Depleted sources can be recharged, thus are recycled
- This project is designed to refocus the science and technology base at Gammatech Plus Ltd, KIPT, and RIAR, which will lead to commercially viable products and processes



New Horizon
Technologies, Inc.
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Gammatech Plus, Ltd.
Kharkiv, Ukraine and
Belgorod, Russia



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Sustainable Technologies
Kharkiv Institute of Physics
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Research Institute of
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